



DIGITAL **.CSIC** OPEN SCIENCE

ANNUAL REPORT 2012



Digital.CSIC Annual Report 2012
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WORKING STRATEGIES, PLAYERS, CONTENT

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HIGHLIGHTS

In 2012 Digital.CSIC strategy for content development greatly changed as the result of the launch of the 100%Digital Plan service and the implementation of the conCIENCIA > Digital.CSIC Bridge



In 2012 Digital.CSIC registered the largest item increase since its appearance in 2008. In total, 19,136 new items were uploaded in the platform, and the year closed with 59,837 works freely available



Digital.CSIC Technical Office uploaded nearly 6,500 items produced by the 25 CSIC institutes that had joined the CSIC 100% Digital Plan. For its part, the Mediated Archiving Service by the CSIC Libraries Network intensified its consolidation and together with the repository's team it was responsible for 95% of all deposits in 2012



In July 2012 the conCIENCIA > Digital.CSIC Bridge was launched and became a useful tool to feed the repository with data an files housed at the institutional CRIS. In total, Digital.CSIC Technical Office and CSIC Libraries Network imported 4,300 items through this intermediary platform



In terms of scientific areas, content about Natural Resources, Materials Science and Technologies, Biology and Biomedicine and Agricultural Sciences grew the most in 2012. In terms of institutes, the Institute of Natural Resources and Agrobiology in Seville (IRNAS), the Doñana Biological Station (EBD) and the Institute of Marine Research (IIM) outstood as the most active contributors



Peer reviewed journal articles remained the distinctive typology in the repository, followed by book chapters, technical reports, conference papers, and patents. Likewise, datasets experienced an upsurge in 2012



In 2012, 17 research projects were subject to the open access mandate by the European Research Council whereas 65 research projects fell under the Open Access Pilot Project of the 7th Framework Programme of the European Commission. On average, a third of them complied with the open access clauses in their grant agreements through archiving in Digital.CSIC

Digital.CSIC Technical Office organised 11 presentations and workshops about the repository and open access for the communities of 17 CSIC institutes in Galicia, Madrid, Sevilla and Zaragoza. The sessions were attended by 365 researchers and librarians of the Spanish National Research Council. Furthermore, 127 librarians received training on specific issues through hands on workshops and web seminars



In 2012 the eligibility criteria to benefit from the CSIC Open Access Publication Fund were revised and the commitment to uploading recent research outputs in Digital.CSIC became a prerequisite to access the monies. 55 CSIC authors received financial support to publish in open access journals and 70% fulfilled their obligations with the repository



5,101,994 full text downloads were registered in 2012, meaning a 62% increase with respect to data in 2011. Traffic originated in the United States, Spain and Latin American was predominant



In comparative terms, research outputs by Aula Dei Experimental Station (EEAD), Institute of History (CCHS-IH), Institute of Heritage Sciences (INCIPIT), Mila' and Fontanals Institution (IMF) and Eduardo Torroja Institute of Construction Sciences (IETCC) were the most downloaded in 2012



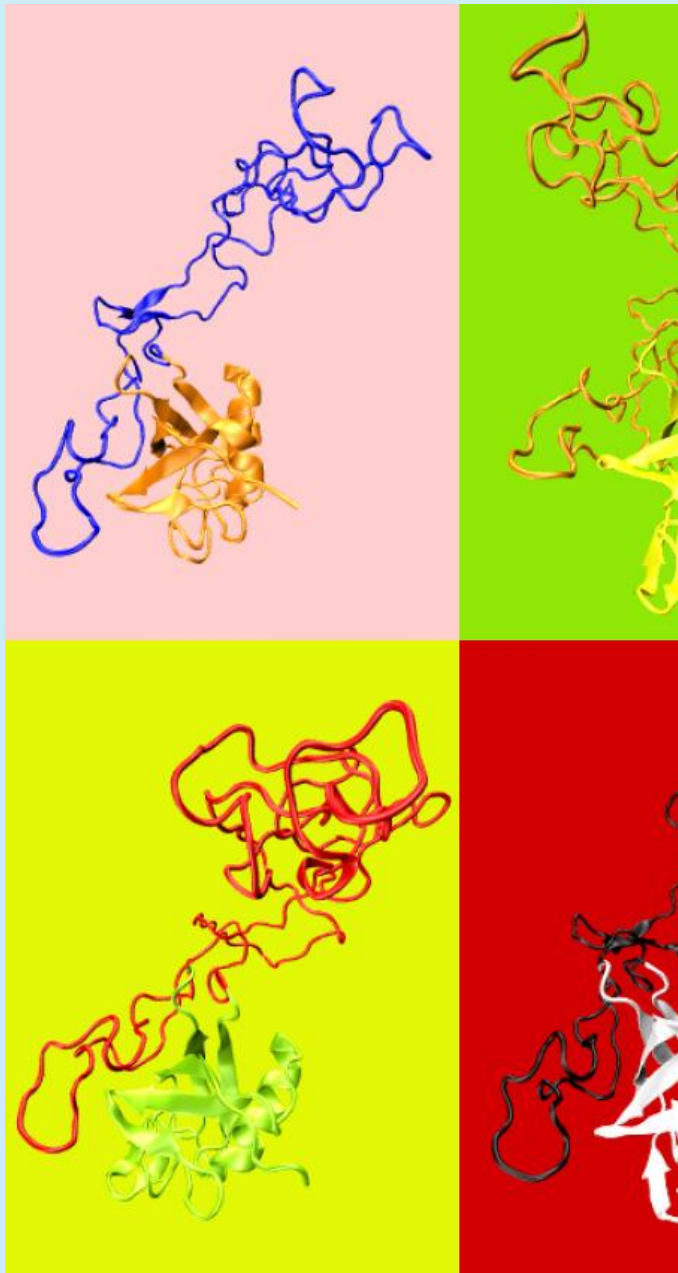
The first edition of Digital.CSIC Distinctions took place during the IV Seminar of the CSIC Libraries Network. The award recipients included the community of the Blanes Center of Advanced Studies (CEAB), a researcher of the Institute of Catalysis and Petrochemistry (ICP), and the library communities of the Aula Dei Experimental Station (EEAD), Doñana Biological Station (EBD) and Mila' and Fontanals Institution (IMF)



Digital.CSIC joined a few international initiatives among which outstand its participation in the Open Access Task Force of the European Science Foundation (ESF) and the European Medical Research Councils (EMRC). The Task Force organised a European seminar that was hosted by CSIC and prepared the Policy Briefing [*Open Access in Biomedical Research*](#)




Digital.CSIC multiplied efforts to raise wider awareness about open access amongst CSIC community. In the pursuit of this goal, new advocacy resources were prepared such as interviews to Alma Swan of SPARC Europe and Jean François Dechamp of the European Commission and the CSIC Researchers Speak about Open Access Campaign



WORKING STRATEGIES, PLAYERS, CONTENT

Artistic rendering of the conformational polymorphism
of a neurotoxic protein.

Ángel Gómez-Sicilia et al. Cajal Institute (IC-CSIC) 

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WORKING STRATEGIES, PLAYERS, CONTENT

STRATEGIES AND PLAYERS

In 2012 Digital.CSIC strategy to increase content greatly changed due to the following developments: early 2012 Digital.CSIC began intensive upload of research outputs belonging to CSIC institutes subscribed to the so-called [100% Digital Plan](#). Ever since, the repository's Technical Office has focused on uploading works produced by such institutes without an own library. In addition, conCIENCIA > Digital.CSIC Bridge was launched in July 2012, thus enabling CSIC librarian community to organize systematic uploads by using data housed in the institutional CRIS.

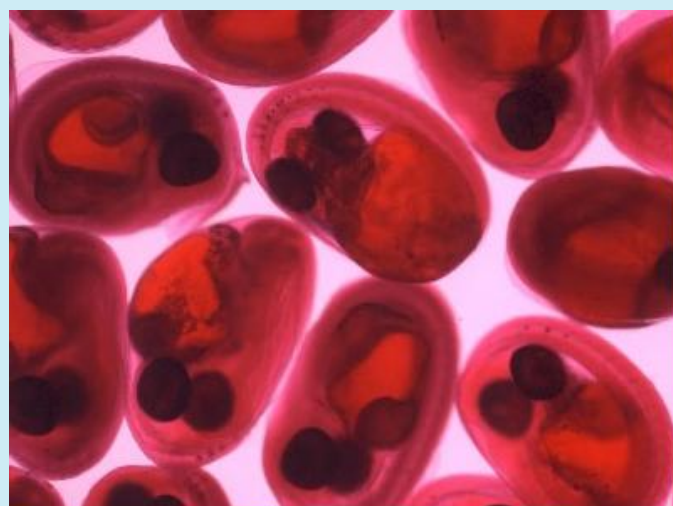
These developments had a positive effect on content development strategy and as a result the repository closed the year with 59,837 works available for free. In total, 19,136 new items were added to the repository, and nearly 60% contained their free full-text files. Thus far, 2012 marks a landmark, as it is the year with the steepest rise in content since Digital.CSIC was inaugurated in 2008.

Item upload per year:


2008	6,300
2009	9,400
2010	10,776
2011	11,828
2012	19,136

Number of items at the end of each year:

2008	6,300
2009	17,480
2010	28,873
2011	40,701
2012	59,837



Sebastes mentella embryos stained for automatic analysis.
Alba Vergara. Institute of Marine Sciences (IIM-CSIC)
© the author

F In 2012 Digital.CSIC strategy for content increase greatly changed due to two developments: the new repository service to CSIC institutes subscribed to the 100% Digital Plan and the launch of conCIENCIA > Digital.CSIC Bridge 

Caveat: The small disparity between data displayed in the 2 graphs on this page results from differences in data registered by the repository database and public data in terms of information collection and actions are concerned

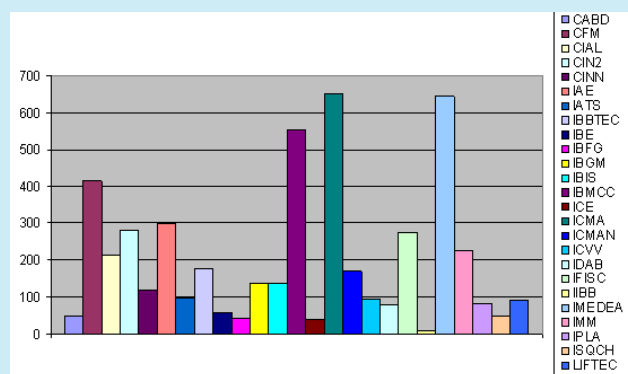
1. 100% Digital Plan

This set of library services for CSIC centers and institutes without own libraries kicked out in the Fall 2011 and as a result Digital.CSIC Technical Office shifted its work approach in January 2012, in order to give priority to the archiving mediated service for works produced by such institutes. Thus, the priority was mostly placed in uploading peer-reviewed articles published in the last 3 years along with research outputs under open access mandates. In 2012, the repository's Technical Office archived around 6,500 items authored by staff from 25 institutes. Researcher collaboration was pivotal to attain such a positive result.

Amongst institutes falling within the 100% Digital Plan, it is possible to identify a few that benefited the most out of this new repository's service:





















CSIC Institute	Works uploaded in 2012
ICMA	650
IMEDEA	645
IBMCC	553
CFM	416
IAE	299
CIN2	282
IFISC	277
IMM	226
CIAL	214

Content contribution to Digital.CSIC by CSIC institutes participating in 100% Digital Plan



The scientific outputs by the following researchers are available through Digital.CSIC:

	Faustino Mollinedo IBMCC See	Mechanisms involved in the induction of apoptosis in cancer cells and study of actions by novel antitumor agents.
	J. Pérez Losada IBMCC See	Genetic predisposition variability, development and response to treatment of cancer.
	Eladio Velasco IBGM See	Molecular genetics of inherited diseases, inherited cancer.
	Victoria Moreno CIAL See	Wine biotechnology and food microbiology.
	Alejandro Cifuentes CIAL See	Foodomics, characterization of new food, including GM.
	F. Javier Moreno CIAL See	Bioactivity and analysis of food carbohydrate chemistry and functionality.

	Javier Aizpurua CFM See 	Nanophotonics development in computer chips, light emitting and electronic devices.
	Pedro Echenique CFM See 	Condensed matter Physics.
	J. M. Colomer IAE See 	Political institutions, elections, institutional changes and European politics.
	Cristina Suñol IIBB See 	Neuroscience, the study of mechanisms of neurotoxicity and biocompatibility of nanostructured materials.
	Daniel Closa IIBB See 	Processes related to inflammation and pancreatic diseases.
	Antonio Rius ICE See 	Physics and Earth observation.
	María Amparo Borrell CINN See 	Carbon nanofibers.
	Ignacio Ribera IBE See 	Origin and distribution of diversity through the study of Coleoptera.
	Carlos R. Vázquez IBFG See 	Morphogenesis, cell separation neuron development.
	Marta Melé IBE See 	Primates genome.

2. Mediated Archiving Service

The Mediated Archiving Service gained momentum in 2012 as a growing number of libraries added this service for their patrons and more and more researchers made use of this intermediation. As a result, the repository's Technical Office and CSIC libraries network uploaded more than 95% of new items in 2012.

These libraries and Digital.CSIC Technical Office received authors' requests directly via email or via a tailor-made form which can be accessed from Digital.CSIC home page and CSIC institutes web sites. In 2012, 364 requests were received through the latter mechanism and the Humanities Tomás Navarro Tomás library ranked first in this service, with over 200 requests in the whole year. Other institutes which often made use of the Mediated Archiving Service included EBD, IIM, CIAL, EEHA, EEZA, EEA, MNCN and IPNA.

Mediated Archiving Service Form

Formulario Digital.CSIC: envío de documentos para su archivo en el repositorio

Nombre y apellidos *

Nombre y apellidos *

Instituto de adscripción *

Seleccione un centro

Correo electrónico *

Correo electrónico *

Título del trabajo *

Título del trabajo *

Referencia/cita bibliográfica

Referencia/cita bibliográfica

Identificador (DOI, ISBN, etc.)

DOI Identificador (DOI, ISBN, etc.)

Tipo de material

Artículo

Información adicional (keywords, presentaciones del trabajo en congresos, breve descripción si no hay abstract)

Por favor, introduzca el fichero que desea depositar. Si hace clic en "Seleccionar archivo", aparecerá una nueva ventana en la que podrá localizar y seleccionar el fichero.

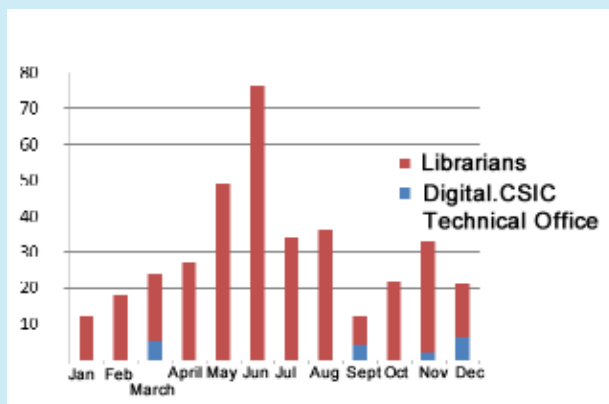
AVISO PARA ARTÍCULOS DE REVISTAS: Por razones de copyright adjunte borrador revisado del trabajo sin logos de la editora. Solo adjunte el PDF de la revista si esta es open access o si el autor pagó para que su artículo se publique en acceso abierto.

Examinar...

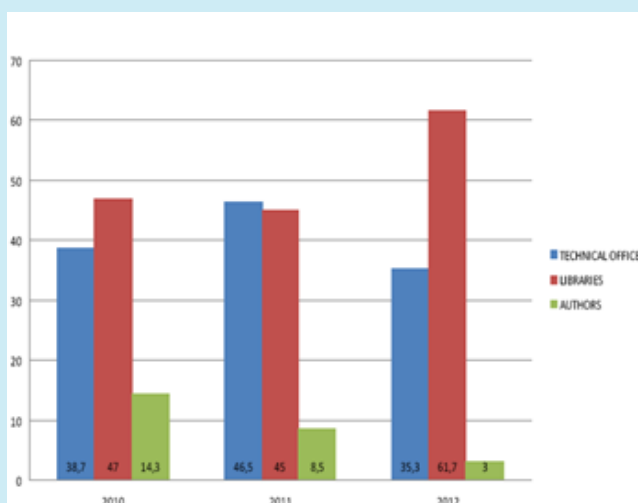
Enviar Limpiar formulario

Los campos con asterisco (*) son obligatorios

Total requests received by CSIC librarian community via the Mediated Archiving Service form in 2012



Distribution of content upload in the period 2010-2012

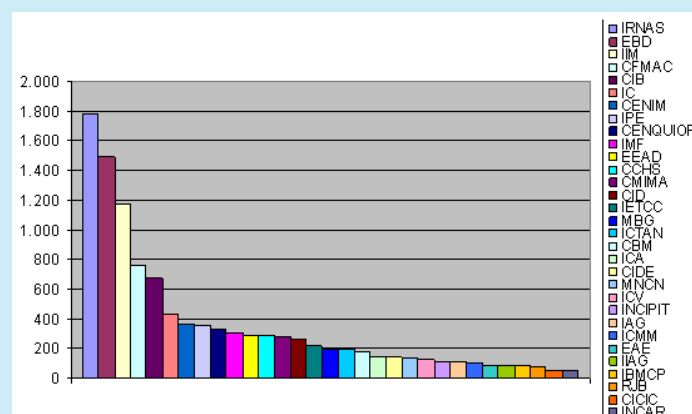


3. Most active libraries in 2012

There are libraries within the CSIC network that saw from the outset in 2008 the repository as a golden opportunity to develop new services and upgrade their profile. Such libraries have undergone a process to become active players in the management, dissemination and preservation of science authored by the institutes that they serve. Equally, Digital.CSIC has allowed them to reinforce support in copyright related matters, test new communication channels and better analyze research impact on the web.

In parallel, the involvement of other libraries in the repository has gone at a more steady pace however the general trend across the CSIC network has been marked by the widespread inclusion of the Mediated Archiving Service as a daily activity.

TOP20 Most active libraries in 2012



It is worth noting the active participation in Digital.CSIC by libraries in the following institutes: IRNAS, EBD, IIIM, CFMAC and CIB.

4. conCIENCIA > Digital.CSIC Bridge

In July 2012 the conCIENCIA > Digital.CSIC Bridge was launched. This application is a project by Digital.CSIC Technical Office at the Unit of Scientific Information for Research which seeks to feed the repository with data and full texts retrieved from the institutional CRIS.

conCIENCIA > Digital.CSIC Bridge motivation is to rationalize the dynamics of the repository growth agenda, by automating the process as much as possible and by integrating it with other institutional efforts to managing, disseminating, analyzing and preserving own scientific production.

Acting as a linking platform, conCIENCIA > Digital.CSIC Bridge allows to plan massive exports of research scientific outputs to Digital.CSIC by filtering as needed. This application is maintained in the repository's intranet and is at the disposal of Digital.CSIC Technical Office and CSIC libraries community only.



In 2012 Digital.CSIC Technical Office and CSIC libraries exported some 4,300 items from CSIC CRIS into the repository thanks to this application. Around 50% of items were not mere bibliographical records but also carried free full text files. Similar to the strategy applied with 100% Digital Plan institutes, content priority was set in peer-reviewed articles and conference papers. This new way of feeding the repository coexisted with the standard DSpace submission feature.

5. Tailor-made assistance to specific institutes

For a number of reasons, some CSIC institutes were not able to actively engage with the repository and therefore Digital.CSIC team monitored them more closely and provided special assistance. IATS, ICMAN, IG and CABIMER are but some examples. At the same time, improvements were visible for other institutes that had lagged behind previous years, such as IIAG and IIIA.

More scientific CVs at a click



Carmen
Sarasquete
ICMAN
[See](#)



Manuel
Yúfera
ICMAN
[See](#)



Javier Ruiz
ICMAN
[See](#)



Salvador
Conejero
IIQ
[See](#)



Valentina
Ruiz
IG
[See](#)



Beatriz
Gandul
IG
[See](#)



Javier S.
Perona
IG
[See](#)



José A.
Cayuela
IG
[See](#)



José L.
Ruiz
IG
[See](#)



Rafael Borja
IG
[See](#)



Carmen
Trasar
IIAG
[See](#)



Ernesto
Vieitez
IIAG
[See](#)



José Viosca
IN
[See](#)



Antonio
Miranda
IBIS
[See](#)



Irene Díaz
Moreno
IBVF
[See](#)

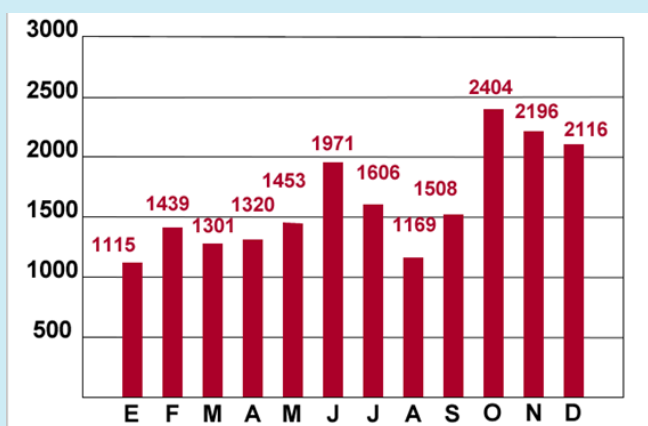
CONTENT

1. Content development

19,136 new items were uploaded in Digital.CSIC in 2012, which means an increase of 38% (7,308 items) with respect to performance in the previous year. In fact, an acceleration in content growth was observed from June onwards, when conCIENCIA > Digital.CSIC Bridge started to be deployed. All in all, October was the busiest month with nearly 2,500 new items made available in Digital.CSIC.

On July 19, 2013, Digital.CSIC hit the landmark of 50,000 works available with the submission of research article [Dynamics of elastic excitable media](#) (IMEDEA).

Monthly item increase in 2012



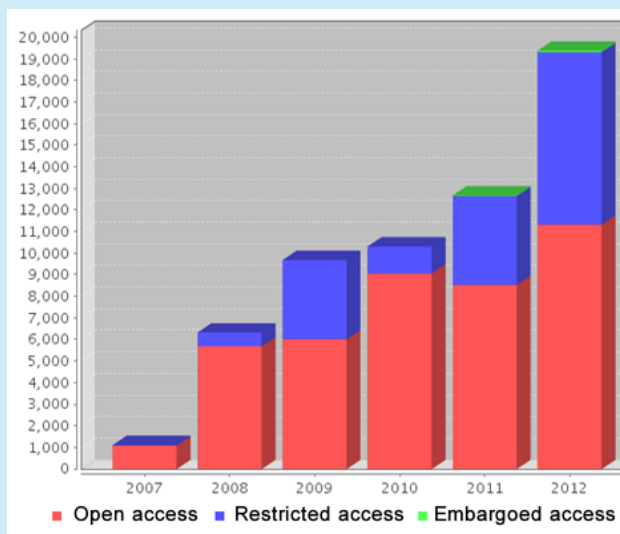
Number of items available per month in 2012

2012	Ítems
January	41,693
February	43,093
March	44,361
April	45,776
May	47,041
June	49,014
July	50,667
August	51,824
September	53,231
October	55,525
November	57,721
December	59,837

58% of items submitted to the repository in 2012 carried a valid free full text. The remainder was comprised of either metadata-only records or embargoed works. In absolute terms, a twofold trend was observed, as both restricted access content and open access records grew in the repository.

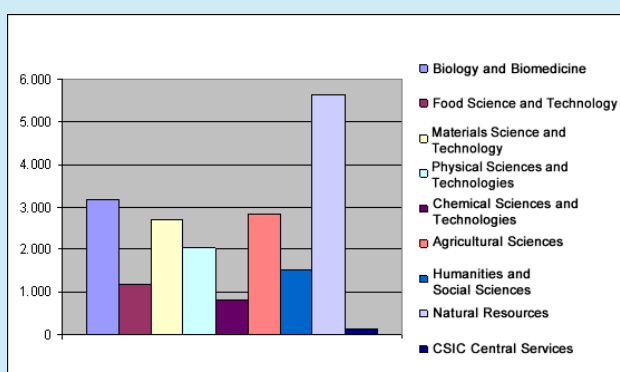
The increase in open access items resulted from higher involvement by more CSIC institutes and researchers whereas the parallel growth of restricted access items was linked to the creation of systematic author CV profiles in Digital.CSIC, which renders impossible to enrich every single work with its corresponding free file. In these cases, the value added derives from the benefit of providing complete information about CSIC authors' expertise, collaborating researchers and institutions, and mapping CSIC research lines for free.

Items submitted per year: Accessibility degree



All CSIC scientific areas increased their volume of works in Digital.CSIC in 2012. However, Natural Resources, Materials Science and Technology, Biology and Biomedicine and Agricultural Science and Technologies were characterized by a significant rise. With respect to 2011 performance, on the contrary, annual growth in Chemical Sciences and Technologies and Humanities and Social Sciences rated negatively in 2012.

Content growth by scientific area in 2012



Scientific distribution of works uploaded in Digital.CSIC in 2012

Digital.CSIC communities	Items uploaded in 2012	Items uploaded in 2011
Biology and Biomedicine	3,175	2,165
Food Science and Technology	1,160	410
Materials Science and Technology	2,696	961
Physical Sciences and Technologies	2,034	1,344
Chemical Sciences and Technologies	801	1,014
Agricultural Sciences and Technologies	2,830	1,900
Humanities and Social Sciences	1,532	2,046
Natural Resources	5,649	3,064
CSIC Central Services	145	138

2. Growth by CSIC institute

The three following research institutes contributed with more than 1,000 new items each in 2012, and occupied the first positions in terms of content development: the Institute of Natural Resources and Agrobiology (IRNAS) – which jumped from the fifth position in 2011 to the first one-; the Doñana Biological Station (EBD) –which maintained its second position of 2011-, and the Marine Research Institute (IIM) –which entered the TOP20 by reaching the third position.

In the TOP20 ranking of CSIC institutes that grew the most in 2012, there were 5 that fell within the 100% Digital Plan initiative, namely: the Center of Materials Physics (CFM), the Institute of Materials Science in Aragon (ICMA), the Mediterranean Institute of Advanced Studies (IMEDEA), the Institute of Molecular and Cell Biology for Cancer in Salamanca (IBMCC) and the Institute of Economic Analysis (IAE). Digital.CSIC Technical Office also took up the upload of research outputs produced by the Institute of Physics in Cantabria (IFCA) and the Institute of Fat (IG). None of these had contributed much to Digital.CSIC previously and they all enjoyed the Technical Office dedication to making their works available in open access.

Through the Mediated Archiving Service, CSIC libraries uploaded works belonging to the remaining institutes classified in the TOP20 ranking. In this respect, it is worth noting remarkable advancement by the Institute of Optics "Daza de Valdés" (CFMAC-IO) and Cajal Institute (IC).

Number of items uploaded in Digital.CSIC in 2012: Distribution by research institute (TOP20 classification)

CSIC Centres / Institutes	Items
Instituto de Recursos Naturales y Agrobiología Sevilla (IRNAS)	1,803
Estación Biológica de Doñana (EBD)	1,505
Instituto de Investigaciones Marinas (IIM)	1,191
Centro de Investigaciones Biológicas (CIB)	730
Instituto de Ciencia de Materiales de Aragón (ICMA)	650
Instituto Mediterráneo de Estudios Avanzados (IMEDEA)	645
Instituto de Biología Molecular y Celular del Cáncer de Salamanca (IBMCC)	553
Centro de Física Miguel A. Catalán - Instituto de Óptica (CFMAC-IO)	498
Centro Nacional de Investigaciones Metalúrgicas (CENIM)	475
Instituto de Física de Cantabria (IFCA)	452
Instituto Cajal (IC)	446
Centro de Estudios Avanzados de Blanes (CEAB)	440
Instituto de Ciencias del Mar (ICM)	426
Centro de Física de Materiales (CFM)	416
Institución Milá y Fontanals (IMF)	399
Instituto de la Grasa (IG)	386
Instituto Pirenaico de Ecología (IPE)	373
Estación Experimental de Aula Dei (EEAD)	312
Museo Nacional de Ciencias Naturales (MNCN)	301
Instituto de Análisis Económico (IAE)	299

3. CSIC researchers with the highest number of works uploaded in 2012

Amongst its many features, Digital.CSIC statistics module helps identify those CSIC scientists whose research outputs grew the most in 2012. As a corollary in many instances, this functionality has also been extremely useful to single out researchers who are open access and Digital.CSIC friendly.

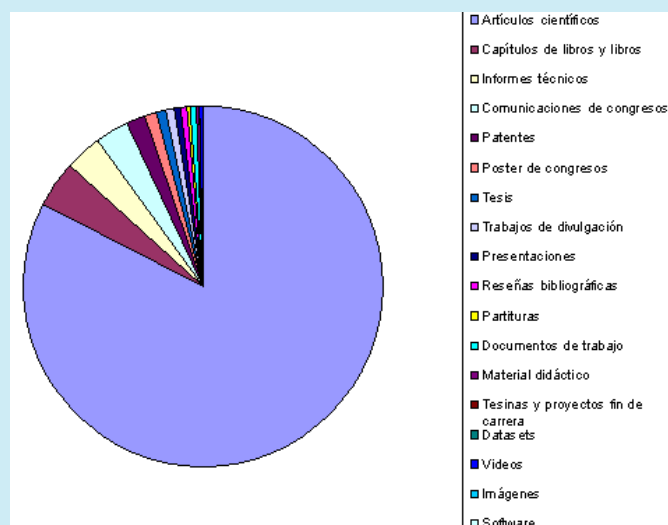
José Luis Mudarra Gómez of IRNAS occupied the first position of the 2012 ranking, followed by Francisco Javier González-Vila of the same institute, and Iván Vila of IFCA. In fact, most authors in the ranking belong to IFCA, a Physics Institute that is strongly committed to providing open access to research outcomes.

CSIC researchers with the highest volumen of works in Digital.CSIC in 2012 (TOP20). IFCA authors are highlighted in blue

CSIC authors	Items
Mudarra Gómez, José Luis	567
González-vila, Francisco Javier	225
Vila, Iván	204
Rodrigo, Teresa	200
Scodellaro, Luca	198
Sáiz-jiménez, Cesáreo	198
Gómez, G.	197
Vilar, Rocío	195
Ruano, Oscar Antonio	188
Ruiz Jimeno, Alberto	183
Fernández, M.	152
Villar Pérez, Luis	152
Matorras, Francisco	140
Sobron Sañudo, M.	139
López Virto, A.	139
Martínez-rivero, Celso	139
González Sánchez, J.	139
Calderón, A.	138
Cabrillo, I. J.	137
Marco, Jesús	136

Peer reviewed articles remain the principal item type in Digital.CSIC although book chapters, technical reports, conference papers and patents also own a remarkable share in collections. In addition, datasets experienced a considerable increase, given that 15 new ones were added to Digital.CSIC in 2012, in contrast with 4 and 1 submitted in 2010 and 2011, respectively.

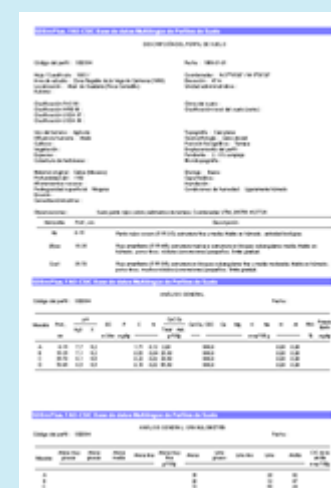
Journal articles	16,002
Book chapters and books	814
Technical reports	623
Conference papers	600
Patents	328
Conference posters	212
PhD Theses	179
Dissemination material	163
Presentations	109
Reviews	83
Music compositions	81
Working papers	69
Educational resources	55
Master theses and dissertations	21
Datasets	15
Videos	14
Images	10
Software	5



See 



See 



Higgs Boson
Collection

[See](#) 



Material about
new INCIPIT
building

[See](#) 



CSIC House of
Science
Community

[See](#) 



6. New end-user services in the platform

In 2012 the following additions aimed to improve services for end-users and promote wider usage of the repository:

- Launch of conCIENCIA >Digital.CSIC Bridge: this tool has been developed by URICI so as to organize data exports from CSIC CRIS into the repository:

- Installation of bibliometric APIs: in 2012 Scopus documentation API was configured in order to retrieve and visualize citations resulting from works available in Digital.CSIC:

Compartir

Impacto

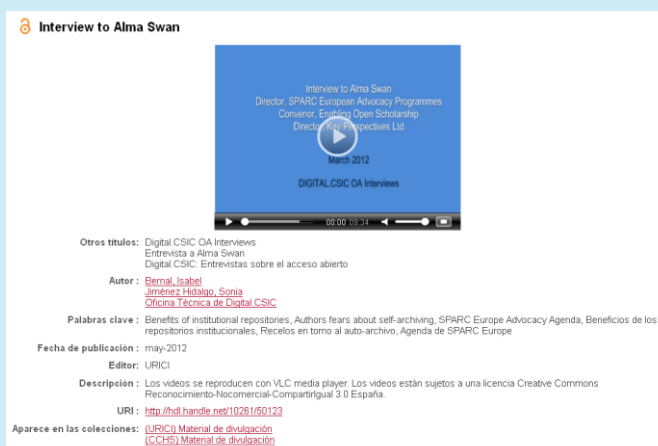
Estadísticas en Digital.CSIC

Cited 107 times in SCOPUS

- Linkages to reference managers: a Mendeley API was made available at item level to allow end-users to export Digital.CSIC bibliographic records into personal accounts in this reference tool:

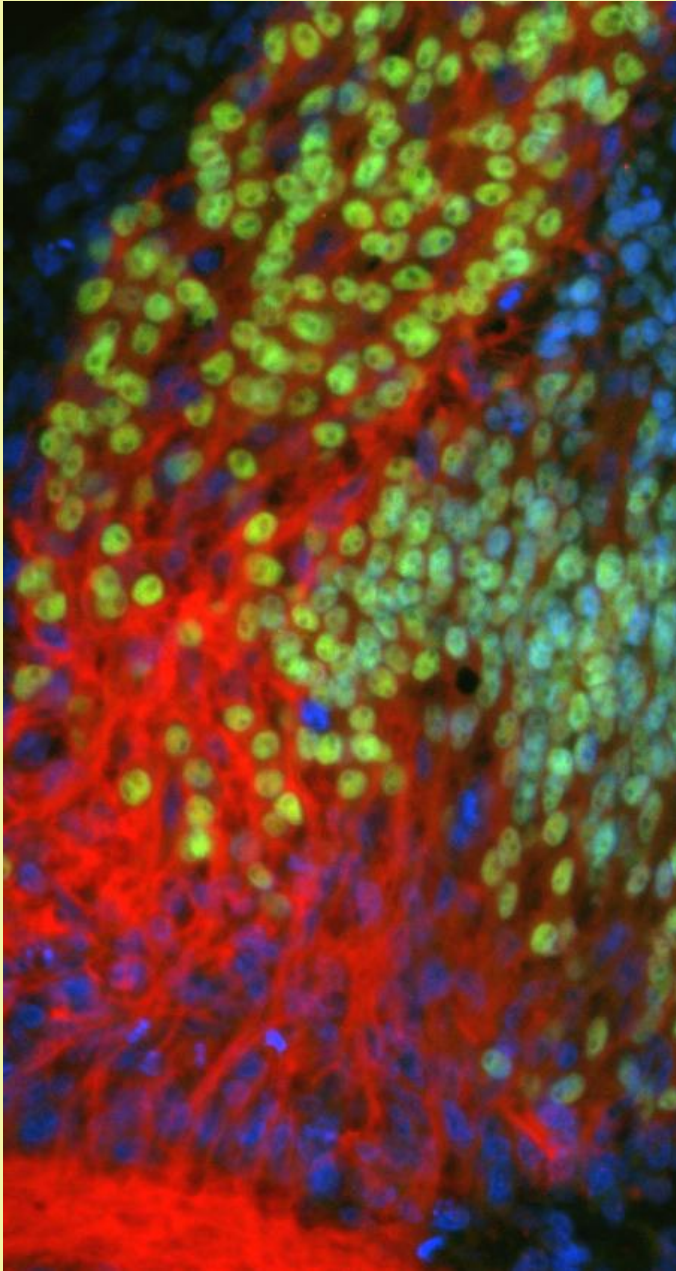


- Web improvements: open source Flowplayer was installed to visualize videos within their bibliographic record page:



- Contents in Digital.CSIC got indexed by institutional discovery tool Summon.





OPEN ACCESS POLICIES, TRAINING AND SUPPORT

The developing cochlear ganglia: connecting the inner ear with the brain.

María Rodríguez Aburto et al. Alberto Sols Institute of Biomedical Research (IIBM-CSIC) 📄

© the author

OPEN ACCESS POLICIES, TRAINING AND SUPPORT

Digital.CSIC made progress in working lines other than content development in 2012, especially as far as training and advocacy to CSIC community is concerned. Likewise, URICI open access publishing fund widened eligible titles and its participation criteria were revised in order to establish a closer linkage with the institutional repository.

Last but not least, providing assistance for researchers to comply with open access mandates by funding agencies has become a top priority at 2 levels: on the one hand, as a factor within its content development strategy and on the other hand, as an opportunity to raise wider awareness about open access amongst CSIC policymaking, scientific and technical constituencies.



Collecting samples of tobacco leaves
Carme Torras Genís. Institute of Robotics and Industrial Informatics (IRII-CSIC)
© the author

1. Compliance with open access policies

The European Commission (EC) stands as one main funding source for CSIC research projects and therefore its open access policy exerts a remarkable influence on the dissemination of institutional research outcomes.

In 2012, 17 CSIC projects fell under the European Research Council (ERC) open access policy while 65 research projects were subject to the EC 7th Framework Programme (FP7) open access pilot project.

The EC mandate requires the deposit of the final, editorial copy or the postprint articles resulting from funded projects in open access repositories not later than 6 months upon publication (12 months for Humanities and Social Sciences).

For its part, the ERC open access policy does not only cover peer-reviewed articles but also makes explicit mention to open access availability for monographies and raw data.

In 2012, 17 CSIC projects fell under the European Research Council (ERC) open access policy while 65 research projects were affected by the EC 7th Framework Programme (FP7) open access pilot project. **I**

On average, one third of CSIC projects under European open access mandates met related requirements. Amongst them, it is worth mentioning the following projects due to their high degree of compliance:

ARCRISK, ARIMMORA, CARBOCHANGE, EGI-INSPIRE, EMI, EUROGEOSS, GARNICS, HERMIONE, INTELLACT, MUSTANG, NANNOANTENNA, PERSEUS, RESTRICTION.



Publications
[EUROGEOSS](#)

Publications
[GARNICS](#)

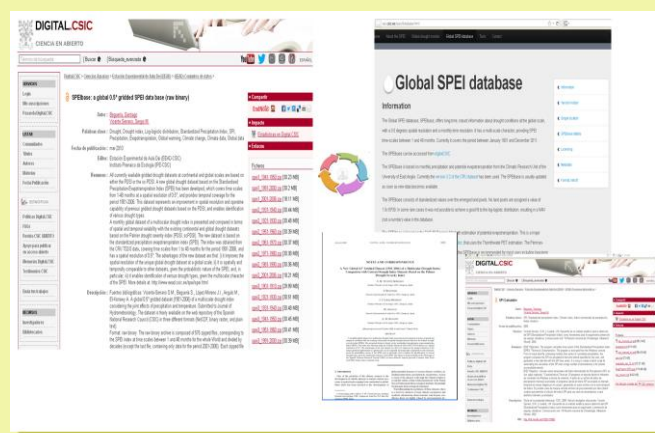
Publications
[MUSTANG](#)

Publications
[PERSEUS](#)

Publications
[CARBOCHANGE](#)

Open access to raw data generated in the course of funded research projects was also enabled in some instances:

Dissemination of raw data in open access: EUROGEOSS project



[SPEIbase v.2](#)

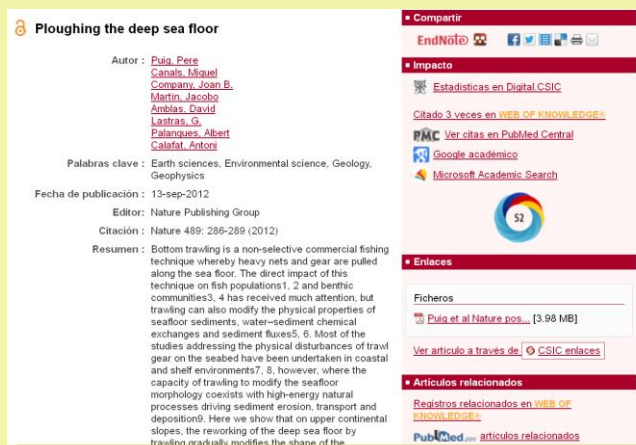
[SPEIbase: a global 0.5° gridded SPEI data base \(plain text\)](#)

[SPEIbase: a global 0.5° gridded SPEI data base \(raw binary\)](#)

[SPEIbase: a global 0.5° gridded SPEI data base \(I. NetCDF\)](#)

On average, one third of CSIC projects under European open access mandates met the funding agencies requirements, thus providing free access to research results

Example of Digital.CSIC accessibility for an article under HERMIONE project and first published in *Nature*



<https://digital.csic.es/handle/10261/74322>

2. Training on open access and Digital.CSIC

Presentations in CSIC institutes

In 2012 Digital.CSIC broadened its training activities about open access to scholarly resources and strategies for institutional dissemination.

The repository's Technical Office held sessions upon the request of CSIC institutes and top solicited topics referred to Digital.CSIC integration with institutional CRIS, Digital.CSIC services to CSIC researcher community, copyright issues and self-archiving policies and, last but not least, funders' open access mandates.

One day sessions were organized in the CSIC institutes below:

January 13: IG, Sevilla
 January 13: IRNAS, Sevilla
 January 25: CAB-INTA, Madrid
 January 31: CFTMA, Madrid
 April 11: CENIM, Madrid
 May 8: IEGPS, Santiago de Compostela
 May 8: IIAG/INCIPIIT, Santiago de Compostela
 May 10: MBG, Pontevedra
 May 11: IIM, Vigo
 June 26: ICP, Madrid
 October 30: ICMA/ISQCH, Zaragoza

The training sessions targeted institutional scientific and technical community in order to encourage open access; raise awareness about the repository's services as a tool for scholarly communication, and explain new functionalities and features such as the conCIENCIA > Digital.CSIC Bridge.

Digital.CSIC delivered 11 training sessions in CSIC institutes, with an attendance of 365 participants in total (33 attendants per session on average).

11 training and awareness raising sessions in 17 CSIC institutes in Galicia, Madrid, Sevilla and Zaragoza. 365 researchers and librarians received training

Institutional workshops

At the same time, the repository's team organized workshops for CSIC library and technical staff as well as individual sessions for newly arrived librarians as well as libraries that had just started to offer the Mediated Archiving Service to their patrons.



Digital.CSIC Workshop, March 12-13-14: *Digital.CSIC: catalogación con Dublin Core, gestión de derechos de autor y permisos de editores. Medida, visibilidad e impacto de la producción científica* was held in the headquarters of the CSIC Social Sciences and Humanities Center in Madrid. Attendance of 20 participants (librarians, staff from the Knowledge Transfer Department and Publications Department).

Presentation of conCIENCIA > Digital.CSIC Bridge to CSIC Libraries Network: on July 4, an event was organized to demo the new tool, and explain its rationale and functionalities. The session was video-streamed and was followed by 73 librarians (on site and virtually). The application may be used by Digital.CSIC administrators and CSIC libraries community only.

Further, 5 individual sessions to new librarians and libraries about to implement a Mediated Archiving Service strategy were held:

- Rafael Rasillo, Spanish School of History and Archaeology in Rome (September 3-4)
- Cristina Castillo, Institute of Advanced Social Studies (October 18)
- Andrés Pereira, National Museum of Natural Sciences (October 26)
- José E. Ucedo, Institute of History of Medicine and Science (October 30)
- Lourdes de Pablo, Center of Physical Technologies L. Torres Quevedo (December 3)

CSIC-SEDIC Workshop: this partnership resulted in the first edition of the training workshop *Gestión de derechos de autor en el acceso abierto. Políticas de acceso abierto y nuevos modelos de medición, impacto y evaluación de la producción científica*, that took place at URICI premises in Madrid on October 2-3. The workshop gathered 30 attendants, mostly librarians from several Spanish Universities and research centers, including CSIC.

 127 librarians received training through on-site and online workshops organized by the Digital.CSIC Technical Office in 2012 

TRAINING MATERIALS

CSIC Training Workshop:

Digital.CSIC: Gestión de derechos de autor y permisos de editores (2012) (mayo 2012) Bernal, Isabel; Oficina Técnica Digital.CSIC. (URICI) Cursos-Material didáctico
<https://digital.csic.es/handle/10261/49947>

Digital.CSIC: Medida, visibilidad e impacto de la producción científica (2012) (mayo 2012) Bernal, Isabel; Oficina Técnica Digital.CSIC. (URICI) Cursos-Material didáctico
<https://digital.csic.es/handle/10261/49948>

Catalogación con Dublin Core: Subida de registros (2012) (mayo 2012) Sánchez Manchón, Jesús; Domènech, Luisa; Oficina Técnica Digital.CSIC. (URICI) Cursos-Material didáctico.
<https://digital.csic.es/handle/10261/49949>

Presentation of conCIENCIA > Digital.CSIC Bridge

Manual de uso de la Pasarela conCIENCIA > Digital.CSIC (26 junio 2012) Domènech, Luisa; Bernal, Isabel; Oficina Técnica Digital.CSIC. (URICI) Cursos-Material didáctico.
<https://digital.csic.es/handle/10261/52197>

CSIC-SEDIC Workshop

Gestión de derechos de autor en el acceso abierto (octubre 2012) Bernal, Isabel. (URICI) Cursos-Material didáctico.
<https://digital.csic.es/handle/10261/58000>

Políticas de acceso abierto y nuevos modelos de medición, impacto y evaluación de la producción científica (octubre 2012) Bernal, Isabel. (URICI) Cursos-Material didáctico.
<https://digital.csic.es/handle/10261/58008>

Visits to CSIC Institutes

Digital.CSIC: Acceso abierto a la producción científica del CEQMA (ICMA, ISQCH) y servicios para sus investigadores. Políticas, leyes y mandatos de acceso abierto y obligaciones contractuales de la comunidad científica del CSIC (noviembre 2012) Bernal, Isabel; Oficina Técnica Digital.CSIC. (URICI) Cursos-Material didáctico.
<https://digital.csic.es/handle/10261/61131>

3. Open access Publication Fund

[Support to publish in open access](#)

On behalf of CSIC, URICI renewed agreements with BioMed Central and signed new ones with Chemistry Central and SpringerOpen in order to support CSIC authors by covering 57.5% of their open access publication fees.



Likewise, in 2012 the Fund eligibility criteria were revisited to require a commitment from CSIC authors to participate in Digital.CSIC as a pre-condition to receive the financial support. In concrete, authors were expected to deposit their scientific production of the last 3 years in the institutional repository.

In order to ease compliance, CSIC authors could count on support by their libraries through the Mediated Archiving Service and by Digital.CSIC Technical Office for those CSIC institutes without a library.

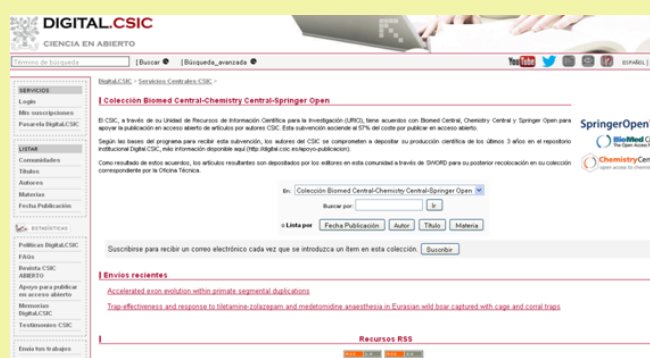
Throughout the year, 55 CSIC authors benefited from the Fund, and publication preferences stayed with BioMed Central titles, followed by SpringerOpen journals by a distance.

Considering the nature of titles available under this initiative, funded authors belonged to CSIC institutes devoted to Agricultural Sciences, Natural Resources and Biology and Biomedicine. In concrete, the ensuing 26 institutes took advantage of this fund: CABD, CBM, CEAB, CIB, CIN2, CNB, EBD, EEAD, EELM, IAS, IATA, IATS, IBE, IBGM, IBMCP, IC, ICTP, ICVV, IDAB, IDAEA, IFISC, IIBB, IIAA, IIM, IPBLN, and IPLA.

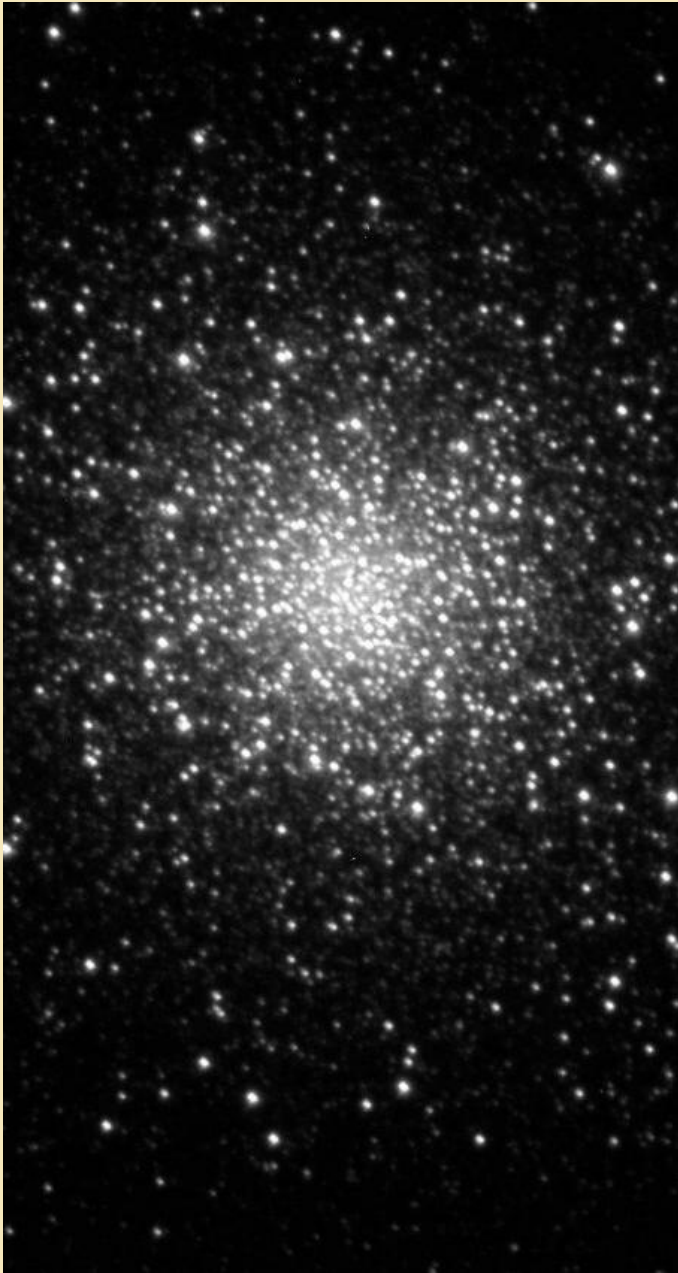
More than 70% of funded researchers honoured their obligation to make their recent research outputs accessible through Digital.CSIC and thanks to their collaboration, scientific work by researchers like Ursula Hoffle (IREC), Emilia Matallana (IATA), Josué Martínez de la Puente (EBD), or Pedro Gómez (CIN2) are now available for all readers at one click.

	Úrsula Hofle IREC	Wildlife epidemiology and disease control.
	Emilia Matallana IATA	Industrial yeast molecular microbiology.
	Josué Martínez de la Puente EBD	Ecology of parasitism.
	Pedro Gómez Romero CIN2	New materials for energy conversion and storage.
	Francisco Wandosell CBM	Molecular mechanisms of neurodegeneration and regeneration.

BioMed Central automatically imports CSIC-authored articles into Digital.CSIC via SWORD protocol:



55 CSIC researchers enjoyed the institutional open access publication fund. 70% of them complied with the fund requirement to make their recent research outputs available through Digital.CSIC



WEB DISSEMINATION AND IMPACT

Messier 92, a globular cluster in the Hercules constellations.

Alfredo Sota. Institute of Astrophysics in Andalusia (IAA-CSIC) 🏠

© the author

WEB DISSEMINATION AND IMPACT

In 2012 Digital.CSIC accumulated 3,599,418 page views and 5,101,994 full-text downloads, which represented a 62% increase with respect to 2011 data. This remarkable rise in file downloads renders evident that Digital.CSIC contents attract a growing interest and attention on the web and is also a proof of the consolidation of the project.

1. Trends in visits and downloads in 2012

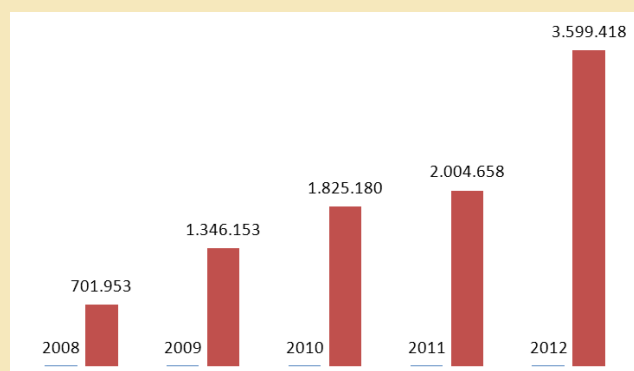
Digital.CSIC reached its visit peak in the month of July, with nearly 400,000 page views, followed by traffic registered in November and June.

Date	Page views
2012-01	231,296
2012-02	186,540
2012-03	212,204
2012-04	344,443
2012-05	348,280
2012-06	355,796
2012-07	386,200
2012-08	293,549
2012-09	239,108
2012-10	279,984
2012-11	383,627
2012-12	338,391

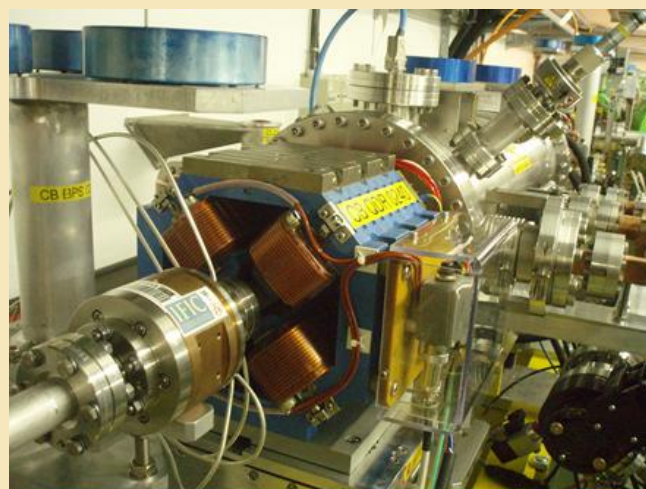
Yearly growth in web page visits in Digital.CSIC

2012	3,599,418
2011	2,004,658
2010	1,825,180
2009	1,346,153
2008	701,953

Total visits to Digital.CSIC per year



F In 2012 scientific resources in Digital.CSIC experienced a 62% increase in their full text downloads with respect to traffic registered in 2011.



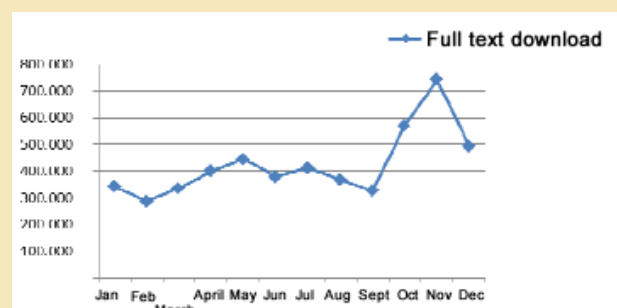
Beam Position Monitor, in Test Beam Line (TBL).
 Juan José García Garrigós. Institute of Corpuscular Physics (IFIC-CSIC)
 © the author

The highest amount of full text downloads in the whole year was reached in November. Specifically, works by CSIC centers and institutes were downloaded 700,000 times during that month, which was followed by October and December in this regard. Conversely, February was the month that fared the lowest.

Annually, around 25% of downloads is directly caused by robots and crawlers of search engines and aggregators.

Date	Downloads
2012-01	342,824
2012-02	286,389
2012-03	336,254
2012-04	399,839
2012-05	445,220
2012-06	379,844
2012-07	412,488
2012-08	368,472
2012-09	325,973
2012-10	570,137
2012-11	741,840
2012-12	492,714

Trends in downloads in 2012



Yearly growth in downloads in Digital.CSIC

2012	5,101,994
2011	3,164,386
2010	2,637,545
2009	1,060,488
2008	426,096

Traffic originated in United States, Spain and Latin America continued to be predominant.

With respect to 2011 TOP20 classification of most active user countries, it is worth mentioning new entry positions by Canada and Russia, whereas Cuba climbed up to first positions.

F In 2012 Canada, Cuba and Russia entered the Digital.CSIC TOP20 classification of most active user countries **▴**

Downloads in 2012: TOP20 countries

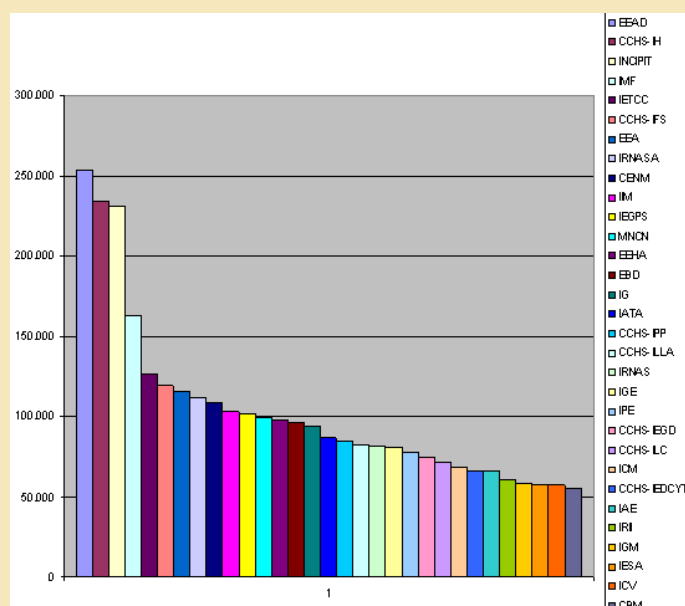
Country Downloads

	Estados Unidos	1,273,278
	No aplicable	1,106,794
	España	691,617
	México	297,014
	Cuba	274,837
	China	213,080
	Uruguay	183,385
	Peru	92,791
	Colombia	74,758
	Argentina	63,764
	Rusia	57,128
	Venezuela	56,917
	Chile	55,106
	India	51,718
	Francia	40,833
	Reino Unido	40,428
	Alemania	39,635
	Canada	36,345
	Japón	34,635
	Australia	30,695

All CSIC institutes benefited from enhanced visibility of their research outputs through Digital.CSIC. In some cases, this online dissemination went hand in hand with strategies by the institutes in order to reuse contents in the repository.


As a result, Digital.CSIC becomes a useful tool to make CSIC research more widely exposed to scientific communities and society at large and to raise CSIC profile online.

CSIC institutes whose outputs had the highest number of downloads in 2012



Generally speaking, the CSIC institutes placed high in the ranking above had implemented successful strategies whereby Digital.CSIC played an important role in scientific dissemination.

For instance, those institutes tended to reuse contents in Digital.CSIC for several purposes, including enriching their own annual reports, authors' research pages, lists of publications and scientific online exhibitions. In addition, other common reuses implied automatic feeds of personal web pages and those related to research projects or thematic portals.

F All contents available in Digital.CSIC considered, scientific production by EEAD, CCHS-IH, INCIPIT, IMF and IETCC was the most downloaded in 2012 

2. Strategies to re-use Digital.CSIC contents

Links from [research teams' web sites](#) to items housed in Digital.CSIC:

Publicaciones SCI:

Alatorre L.C., Begueria S., Vicente-Serrano S. (2011) Evolution of vegetation activity on well covered, eroded, erosion risk areas by multitemporal Landsat TM imagery, central Spanish Pyrenees. Earth Surface Processes, Landforms 36(3): 309-319. <http://hdl.handle.net/10261/33029>

Navas, A., Gaspar, L., López-Vicente, M., Machin, J. (2011) Spatial distribution of natural and artificial radionuclides at the catchment scale (South Central Pyrenees). Radiation Measurements 46 (2): 261-269.

Vicente-Serrano S.M., Trigo R.M., López-Moreno J.I., Liberato M.L.R., Lorenzo-Lacruz J., Begueria S., Morán-Tejeda E., El Kenawy A. (2011) The 2010 extreme winter North Atlantic Oscillation in Iberian Precipitation: anomalies, driving mechanisms and future projections. Climate Research 46: 51-65. <http://hdl.handle.net/10261/32236>

Alatorre L.C., Begueria S., Garcia-Ruiz J.M. (2010) Regional scale modelling of hillslope sediment delivery: a case study in the Barasona Reservoir watershed (Spain) using WATEM/SEDEM. Journal of Hydrology 391(1-2): 109-123. <http://hdl.handle.net/10261/28733>

Begueria S., Vicente-Serrano S., Angulo-Martínez M. (2010) A multi-scalar global drought data set: the SPEIbase. Bulletin of the American Meteorological Society 91(10): 1351-1356. <http://hdl.handle.net/10261/29993>

Chaparro M.A.E., Mariá, D.C., Gogorza C.S.G., Navas, A., Sinito, A.M. (2010) Magnetic studies and scanning electron microscopy- X-ray dispersive spectroscopy analyses of road sediments, soils and vehicle-derived emissions. Studia Geophysica et Geodaetica 54: 633-650. <http://hdl.handle.net/10261/32065>

García-Ruiz J.M., Begueria S., Alatorre L.C., Constante A., Puigdefábregas J. (2010) Land cover changes, shallow landsliding in the Fiysh sector of the Spanish Pyrenees. Geomorphology 124: 250-259.

An EEAD researcher's [web page](#):

[CEAB web site](#):

Artículos en revistas SCI

VER RELACIÓN DE ARTÍCULOS EN DIGITAL.CSIC

Aguzzi, J., Company J.B., Costa, C., Menesatti, P., García, J.A., Bahamon, N., Puig, P., Sardà, F. 2011. Activity rhythms in deep-sea: a chronobiological approach. Frontiers in Bioscience 16: 161-150. [DIGITAL.CSIC](#)

Amore V., B. Gaetani, Puig M.A. & Fochetti R. New data on the presence of hemocyanin in the Plecoptera: Recombining a puzzle. Journal of Insect Science 2011, Volume 11, Number 153 (20 pp). [DIGITAL.CSIC](#)

Amore V., Puig M.A., Timperio A., Egidi G., Ubero-Pascal N. & Fochetti R. Preliminary data on comparative proteomic analysis of hemocyanins in the stoneflies: Dinocras cephalotes and Perla marginata (Plecoptera). Environmental Entomology 40 (1): 167-171. (Manuscript DOI: 10.1603/EN10088) . [DIGITAL.CSIC](#)

Argerich, A., E. Martí, F. Sabater, and M. Ribot. Temporal variation on hyporheic chemistry and subsurface-surface water exchange in a small Mediterranean stream. Journal of the North American Benthological Society. 30: 635-652, doi:10.1899/10-078.1. FI: 2.974 . [DIGITAL.CSIC](#)

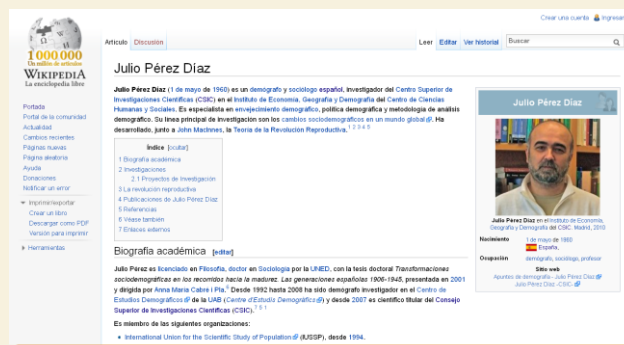
Argerich, A., E. Martí, F. Sabater, R. Haggerty, M. Ribot. Influence of transient storage on stream nutrient uptake based on substrata manipulation. Aquatic Sciences. 73: 365-376. [DIGITAL.CSIC](#)

Links from [Publications page](#) at INCIPIT web site to its outputs in Digital.CSIC:

Direct access to Digital.CSIC from [IMF home page](#):



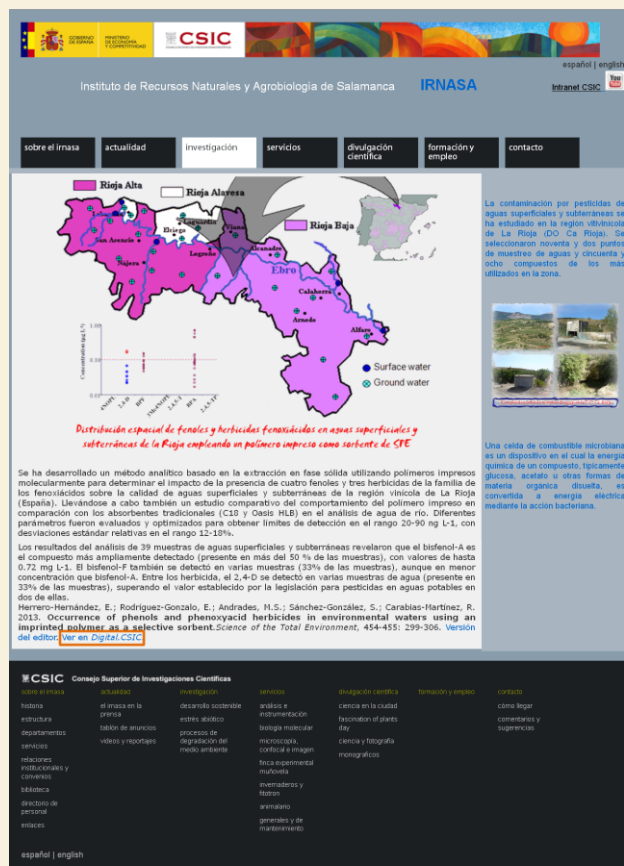
Access to publications by CSIC researchers through [Wikipedia](#):



Export functionality for items in Digital.CSIC to personal accounts in Mendeley:











News sections in CSIC institutes web sites enriched with links to free full text copies of research outputs on the spotlight ([IRNASA](#)):






3. The most downloaded items in 2012

Half of the 20 most downloaded items in 2012 fell within research projects in Social Sciences and the Humanities. In particular, 5 works belonged to INCIPIT, the CSIC Institute of Heritage Sciences.

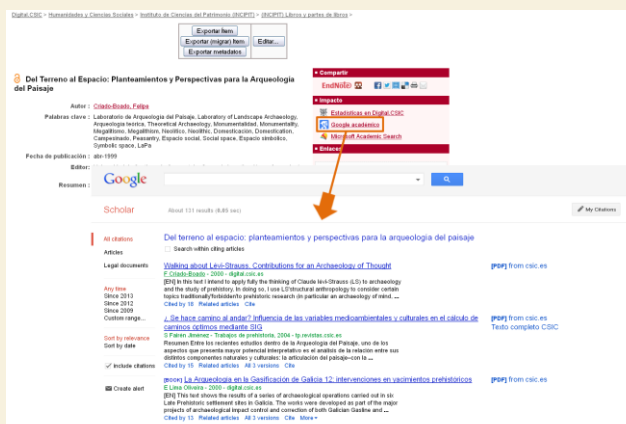
Subject-wise, this classification outlines a special interest aroused by CSIC works devoted to history, archaeology and heritage, building science, food and feeding, agricultural management, climate change and artificial intelligence.

Work Title	Downloads	Institute
Del Terreno al Espacio: Planteamientos y Perspectivas para la Arqueología del Paisaje See 	39,596	INCIPIT
Frontera, convivencia y proselitismo entre cristianos y moros en los textos de Francesc Eiximenis y de san Vicente Ferrer See 	28,085	IMF
El Registro de la Información en Intervenciones Arqueológicas See 	26,057	INCIPIT
Paisaje arquitecturado y arquitectura en el paisaje: la fortificación del territorio en época moderna en el Baixo Miño See 	25,873	INCIPT
Pátinas: Historia de una tecnología para la construcción See 	24,900	IGE
Arquitectura como tecnología de construcción de la realidad social See 	24,777	IEGPS
Informe de las excavaciones arqueológicas en los restos de la Guerra Civil de Alto del Molino Abánades (Guadalajara). Campaña de 2011 See 	24,556	INCIPIT
C4 y CAM. Características generales y uso en programas de desarrollo de tierras áridas y semiáridas. Homenaje al Dr. Julio López Gorgé See 	18,342	EEZ
Corrosión y protección de metales para la construcción y el patrimonio cultural See 	17,757	CENIM

Work Title	Downloads	Institute
Herramientas metodológicas aplicadas al estudio de un paisaje urbano fortificado: el caso de la villa de Verín (Monterrei, Ourense) See 	16,875	IEGPS
Fermi Large Area Telescope Constraints on the Gamma-ray Opacity of the Universe See 	15,991	IGE
Borders, Landscape and Modernity: Fortifications Systems in the Baixo Miño Region between the 17th and 19th Centuries See 	15,830	INCIPIT
Un sistema de prospección arqueológica asistida por SIG libre: diseño, puesta en práctica y perspectivas futuras See 	15,511	IAM
Recomendaciones para la conservación y transporte de alimentos perecederos See 	11,990	IF
Estimación de la resistencia a compresión del hormigón mediante el muestreo, extracción y rotura de probetas testigo See 	11,504	IETCC
Graph-based representations and techniques for image processing and image analysis See 	11,403	IRII
El análisis sensorial en el control y aseguramiento de la calidad de los alimentos: una posibilidad real See 	11,298	IATA
Gestión agraria y cinegética: efectos sobre la perdiz roja (<i>Alectoris rufa</i>) y aves esteparias protegidas See 	9,647	IREC
SPEIbase: a global 0.5° gridded SPEI data base (plain text) See 	9,560	EEAD
La gestión municipal en patrimonio cultural urbano en España See 	9,257	CCHS

A potential increase in readership is an immediate benefit of making scientific outputs available in Digital.CSIC. Indeed, in the medium and longer term, the wider accessibility of works may have a positive effect in scientific impact.

For instance, open access to the most downloaded work in Digital.CSIC in 2012, *Del Terreno al Espacio: Planteamientos y Perspectivas para la Arqueología del Paisaje* contributed to making it more widely known amongst scholars with similar research focus, which, at the same time, may have a correlation with the high number of citations indexed by Google Scholar (131 citing works at time of writing).



<https://digital.csic.es/handle/10261/5698>

4. Web sites that disseminate research housed in Digital.CSIC

One way to monitor and assess the interest raised by research outputs that are freely available on the web consists of analyzing the volume and the nature of sites with inlinks and references to contents in the institutional repository.

By way of illustration, some domains that link to research outputs in Digital.CSIC follow below. Actually, the percentage of educational and research domains with backlinks to Digital.CSIC is particularly high.

<http://www.laac.es>



<http://www.horticulturablog.com>



<http://www.napoliopeninnovation.it/>

Associazione
NOI
Napoli Open Innovation

Chi siamo » Finalità » Iscritti » News » Contatti » Eventi » Discussioni » Open Innovation Italia

Strategic Technology and Innovation Management Training

10 set. 2010 News Napoli Open Innovation

S&I (Strategic & Innovation) ha organizzato per il prossimo mese di novembre due interessanti workshop.

I soci NOI Napoli Open Innovation hanno diritto ad uno sconto del 10% sulla quota di adesione.

Strategic & Innovation with University of Cambridge
Centre for Technology Management
Strategic Technology and Innovation Management Training
Strategic roadmapping

Un approccio "fast-start" per allineare i mercati, i prodotti e la tecnologia

LINK

- Aerospazio/Campione
- American Economics Association
- BioMedica In-Forma
- Carta d'intenti per l'innovazione
- Centag
- Cornell University Library - arXiv.org
- Cheranking
- Copernicus
- Digital CSIC - Ciencia en abierto
- Digital CSIC - Ciencia en abierto
- DOAJ - Directory of Open Access Journals
- ELSEVIER

<http://blog.cibera.de>

ciberaBlog
Das Blog der virtuellen Fachbibliothek Ibero-Amerika / Spanien / Portugal

START INFO CONTACT / IMPRESSUM

« Wikiquene – Ein Wiki zur Spanischen Sprache – Hispanisistentag 2009 in Tübingen »

DIGITAL.CSIC: Zugang zur spanischen Wissenschaft

von Markus Trapp – 26.02.2008, 10:11 Uhr

DIGITAL.CSIC

Wieder einmal gibt es eine erfreuliche Open Access-Initiative zu vermelden, und wieder einmal kommen die guten Nachrichten aus Spanien: Die größte öffentliche Wissenschaftsinstitution der Iberischen Halbinsel, der Consejo Superior de Investigaciones Científicas (deutsch: höherer Rat für wissenschaftliche Forschung), kurz CSIC, hat am vergangenen Freitag in Madrid einen neuen Zugang zu wissenschaftlicher Information in Spanien vorgestellt: **DIGITAL.CSIC**, eine Datenbank die kostenloser Zugang zu wissenschaftlicher Literatur bietet.

Auch wenn diese Datenbank erst im Aufbau befindlich ist (und sich eben in den Geistes- und Sozialwissenschaften erst 590 Dokumente aufrufen lassen), ist dies

Verwandte Artikel

Leonardo Davinci "El Imperio Digital"
Leonardo Davinci ist ein legendärer Journalist und Blogger, der vor...
Biblioteca Escolar Digital Der Ertrag der neuen Medien und der vorläufige Einsatz des...
IMBICO startet World Digital Library Die Bildungsorganisation der Vereinten Nationen will kulturelles Material zu Politik...
Vernetzung in der Wissenschaft: cibera Fotochemie Im Weblog «Wissenschaft und Neue Medien» heißt es im Artikel...

Kategorien

- Allgemeines (15)
- Buchhandel (1)
- Geschichte (26)
- Spanien (11)
- Journalismus (19)
- Kultur (10)
- Kunst (32)
- Latinamerika (138)

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124 Personen gefällt virtuelle Fachbibliothek

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PORTADA CIENCIAS NATURALES TECNOLOGÍA BIOMEDICINA Y SALUD MATEMÁTICA FÍSICA QUÍMICA HUMANIDADES CIENCIAS SOCIALES POLÍTICA CIENTÍFICA INNOVACIÓN

La demostración de la Hipótesis de Riemann, más cerca

Investigadores del Consejo Superior de Investigaciones Científicas (CSIC) y la Universidad de Cambridge han dado un nuevo paso hacia la demostración de la Hipótesis de Riemann, uno de los problemas matemáticos del milenio.

Referencia bibliográfica:

Sierra Germán y Townsend, Paul. "Landau Levels and Riemann zeros". *Physical Review Letters*. 101, 110201, 2008.

El texto íntegro del artículo está disponible en DigitalCSIC: <http://digital.csic.es/handle/10261/5531>

¿Dónde se puede demostrar la hipótesis de Riemann desde la física, confirmando la función zeta de Riemann, que afirma la...

LO ÚLTIMO

El 54% de los embarazados usa insecticidas envenenados para el feto

El embarazo y la infancia son los periodos de mayor vulnerabilidad al uso de insecticidas domésticos. Así lo afirma el primer estudio de este tipo realizado en España, que concluye que más de la mitad de las mujeres que engenden un hijo utilizan estos compuestos de forma habitual.

Como veréis sus amigos. Los...

<http://www.agrowebcee.net>

SUNFLOWER NETWORK
ESCORENA

RESEARCH PAPERS

- CONICET, Universidad Nacional del Litoral, Argentina
- Ecole Nationale Supérieure Agronomique de Toulouse, France
- Institute of Field and Vegetable Crops, Serbia
- Instituto Nacional de Tecnología Agropecuaria, Argentina
- National Sunflower Association Research Forum, USA
- Spanish National Research Council, Spain
- Turkey Agricultural Research Institute, Turkey

Information Resources

- AGORA
- MINARI
- ORIS
- Strategic partners
- FAO UN
- ESCORENA
- OFAR
- HALD
- Graphic
- Services
- Contacts Database
- Link Manager
- Access point page
- Agroweb Network
- Agroweb CAC
- Agroweb SEE
- Thematic Networks
- Visitors
- 17: FLAG COUNTER

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SYAL

HOME RESOURCES BY COUNTRY RESOURCES BY CATEGORY ERG SYAL IN BRIEF INTRANET

Publications & Resources Investigación e innovación en el sector del aceite de oliva en España

ES I INVESTIGACIÓN E INNOVACIÓN EN EL SECTOR DEL ACEITE DE OLIVA EN ESPAÑA

TAGS: AGRI-FOOD SYSTEM, INNOVATION, OIL, RURAL, TERRIOR

Problemas, oportunidades y prioridades de I+D+i

Javier Saco Calado
Isabel Hervás Fernández
Florentino Sánchez Escobar
Daniel Ceg Naveira

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Resources by Country

- FRANCE
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- PORTUGAL
- SPAIN
- SWEDEN
- SWITZERLAND

<http://realclimate.org/>

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RealClimate
Climate science from climate scientists

SCIENTIFIC AMERICAN
2012 Science & Technology WEB AWARDS

Guardian Environment Network

Guide to RC

Technical Note: We have changed the contact email for the blog to reduce the amount of unsolicited email. If you want to contact us at the blog, please use contact-at-realclimate.org.

Yamal and Polar Urals: a research update

Filed under: Climate Science IPCC Paleoclimate skeptics — group @ 3 June 2013

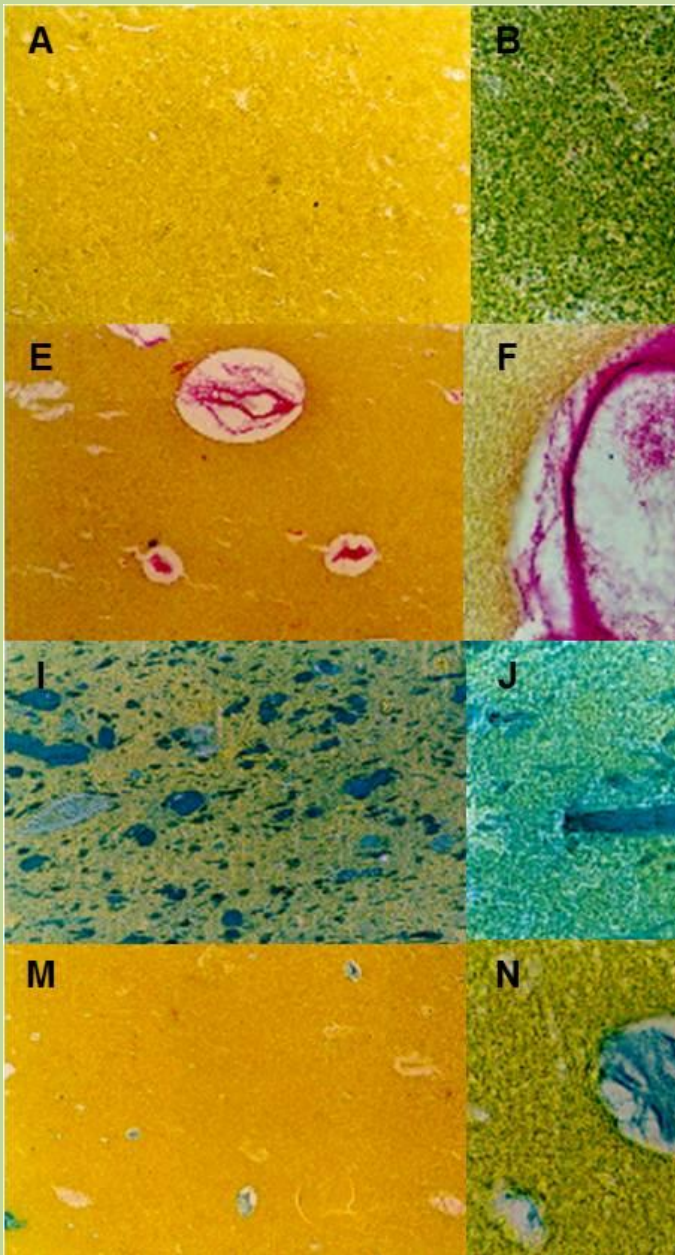
Guest commentary from Tim Osborn, Tom Melvin and Keith Briffa, Climatic Research Unit, UEA

Records of tree-ring characteristics such as their width (TRW) and density (usually the maximum density of the wood formed towards the end of the growing season – the "maximum latewood density" – MXD) are widely used to infer past variations in climate over recent centuries and even millennia. Chronologies developed from sites near to the elevational or latitudinal tree lines often show sensitivity to summer temperature and because of their annual resolution, absolute dating and

Recent Comments

- Unforced Variations: June 2013: Hank Roberts
- Unforced Variations: June 2013: Edward Gresh
- Unforced Variations: June 2013: prokaryotes
- Unforced Variations: June 2013: Kilian
- Unforced Variations: June 2013: Patrick 027
- Unforced Variations: June 2013: prokaryotes
- Unforced Variations: June 2013: prokaryotes

COMMUNICATION AND PARTNERSHIPS



Micrograph for washed blue whiting mince gels with the binary mixture of hydrocolloids.

Montero, P. et al. Institute of Food Science, Technology and Nutrition (ICTAN-CSIC) 

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COMMUNICATION AND PARTNERSHIPS

1. Participation in conferences and seminars

In 2012, Digital.CSIC Technical Office took part in an international conference about open access repositories and attended a European seminar on scientific information integrated systems. Likewise, the repository team joined the IV Congress of CSIC Libraries Network.



IV Congress of CSIC Libraries Network

Under the theme of “*Libraries for Science in the XXI century: new environments and professional challenges*”, the Congress was held on April 26-27 and offered an opportunity to discuss rapid transformations in the management of scientific information and to analyze the effect on the profession of librarian.

The event was a lively forum to exchange ideas about main concerns within the librarian community, with a special emphasis on quality of patron services and the need to adapt to a new work scenario. The Congress was opened by CSIC President, Emilio Lora-Tamayo.

Digital.CSIC participated in the program with a presentation on the development of institutional and funding agencies policies to promote open access to publicly-funded research outputs at the international level.

Acceso abierto y difusión de la ciencia. (abril 2012). Bernal, Isabel. *4as Jornadas de Análisis de la Red de Bibliotecas del CSIC*, (URICI) Comunicaciones congresos. <https://digital.csic.es/handle/10261/49502>

First Edition of Digital.CSIC Awards

During the IV Congress of the CSIC Libraries Network the recipients of the first edition of Digital.CSIC awards were announced.

Digital.CSIC Technical Office distinguished those members of the CSIC community who had made outstanding efforts in supporting the institutional repository and in enabling open access to CSIC research outputs. The awards fell within the following categories:

A) Distinguished researcher: Francisco José Plou Gasca, Institute of Catalysis and Petrochemistry (ICP) was distinguished as his article *Laccases and their applications: A patent review* was the peer-reviewed article in English with the highest number of downloads (8,966 full text downloads when the congress took place) in Digital.CSIC.

Article: [Laccases and their applications: A patent review](#)

B) Distinguished institute: Blanes Center of Advanced Studies (CEAB) was distinguished for its active involvement to increase the availability of center's scientific outputs in Digital.CSIC, and for the Director's commitment to making this goal true.

Blanes Center of Advanced Studies (CEAB): <http://digital.csic.es/handle/10261/88>

C) Distinguished libraries

C1) Distinguished library in 2011: the library of the Doñana Biological Station (EBD) was recognised for having incorporated the Mediated Archiving Service in its portfolio successfully and, as a result, for having increased the volume of EBD research outputs in the repository significantly:

Doñana Biological Station (EBD)
<http://digital.csic.es/handle/10261/13>

Accesit award: the library of the Milá and Fontanals Institution (IMF) was distinguished for its active contribution in enabling open access to the institute scientific outputs:

Milá and Fontanals Institution (IMF)
<http://digital.csic.es/handle/10261/19>

C2) Distinguished library for long term commitment: the library of the Aula Dei Experimental Station (EEAD) got distinguished for having turned Digital.CSIC into a top service for its researcher community and for having put into practice a systematic strategy, in close connection with the institute's managing team, towards open access availability of the institute's scientific results:

Aula Dei Experimental Station (EEAD)
<http://digital.csic.es/handle/10261/75>



From left to right: Daniel Martín Sintes, CEAB director; Francisco José Plou Gasca, researcher at IPC; Marta Ezpeleta, director of the IMF library; José Carlos Martínez Giménez, director of the EEAD library, and Gaspar Olmedo, of the CSIC Andalusia Delegation on behalf of EBD library



Open Repositories 2012 took place at the University of Edinburgh on July 9-13. One main theme of the conference addressed the relationship between institutional CRIS and open access repositories and within this framework Digital.CSIC participated with a poster about the development of a new CSIC scientific information management system, the launch of its institutional CRIS and technical and operational synergies with the institutional repository.



Isabel Bernal of Digital.CSIC at OR2012

CSIC Bridge: Linking Digital.CSIC to institutional CRIS. Bernal, Isabel; Román-Molina, Juan; Pemau-Alonso, Julio; Chacón, Arucas; Oficina Técnica Digital.CSIC. *Open Repositories Conference OR2012 in Edinburgh, July 9-13, 2012.*

<https://digital.csic.es/handle/10261/54304>

CSIC BRIDGE: LINKING DIGITAL.CSIC TO INSTITUTIONAL CRIS

Bernal, Isabel; Román-Molina, Juan; Pemau-Alonso, Julio; Chacón, Arucas; Oficina Técnica Digital.CSIC. *The 7th International Conference on Open Repositories (OR2012) Edinburgh, 9-13 July, 2012*

A NEW INSTITUTIONAL SCIENTIFIC INFORMATION MANAGEMENT SYSTEM

Institutional data management and dissemination: a complex landscape

- Before 2011, several institutional platforms, databases and departments collecting CSIC research data without following common standards, formats, procedures, granularity level in bibliographic records and data retrieval calendars

CONCIENCIA, THE INSTITUTIONAL CRIS

Login to ConCiencia through CSIC intranet

CRIS Architecture

Aifresco management system - JAVA Language
Linux Operative System - IBM equipment

Conciencia, a new deposit process for Digital.CSIC?

- Metadata of 130,000 + research outputs
- Monthly content updates through APIs and batch imports
- 4,500 + full texts uploaded in 3 months
- A substitute for DSpace submission process?

CSIC scientific information management system: database mergers, synergies, automation

Diagram showing the integration of various institutional databases (Digital.CSIC, ConCiencia, etc.) into a unified system.

THE ROAD FOR AUTOMATION

- A single process to collect data about CSIC scientific production
- Systematic retrieval of CSIC output: metadata through Scopus APIs and batch imports from CSIC centers databases: Cleaning of CSIC centers and institutes affiliations on Scopus as a first step
- Easier process for yearly institutional assessment exercise
- A way to reduce administrative tasks by CSIC centers and researchers
- Value-added tools such as standardized CVs, reports and bibliographies, statistics analysis, maps of scientific impact, export functionalities
- Strengthening of institutional OA green road by linking CRIS and DIGITAL.CSIC repository

CSIC BRIDGE

Login to CSIC bridge through Digital.CSIC intranet

Making ConCiencia and Digital.CSIC interact

ISSUES

- Remove duplicates
- Synchronization of data upload in both platforms
- Metadata validation
- Author identifiers check-up
- Copyright verification

Some experiences so far

METADATA CROSSLINKING
Data already SCOPUS less granular than Digital.CSIC items described by SWORD client (1.0), data wrapped in METS standards gets crosswalked through explicit transfer of granular info

As a next, some system changes for items in the repository

Re-verification of SWORD client classes (DSpace 1.0 for DSpace 1.6.2)



EuroCRIS Fall Meeting 2012

Digital.CSIC attended the EuroCRIS Fall Meeting on November 5 in Madrid. EuroCRIS is a European network that promotes the international adoption of a *de facto* standard to describe and set up relations amongst entities, persons and objects within the CRIS of research organizations. Highlights of the meeting included an introduction to a new CERIF schema version and a preliminary work agenda concerning institutional repositories.

2. International cooperation



European Science Foundation initiative in support of open access

In 2012 the open access task force created under the umbrella of the European Science Foundation (ESF) and the European Medical Research Councils (ERMC) implemented its agenda. CSIC took part in the group through Digital.CSIC and INSERM, the Swedish Research Council and UK Medical Research Council were the other participating member organizations.

Two main actions were delivered, namely, a seminar about specific challenges of open access in the field of Biomedicine and the publication of a policy briefing about the state of the art and a set of recommendations to move forward.

Seminar on open access in Biomedical research: on March 21-22 CSIC hosted this seminar at the premises of its Unit of Information Resources for Research (URICI). The objective of the meeting was to present preliminary outcomes of the study on current barriers to biomedical literature and alternatives offered by open access that had been conducted by the ESF/EMRC open access task force.

The seminar gathered around 30 open access experts from the European Commission, LIBER, PLoS, BioMed Central, CERN, INSERM, SPARC Europe and many other research performing and funding organizations in Europe. The event was opened by Sonia Antolín, the CSIC Adjunct Vice-President in International Relations.

The final report collected suggestions made during the seminar and *Open Access to Biomedical Research* was published coinciding with the International Open Access Week at the end of October 2012.



Main recommendations

- There is a moral imperative for open access.
- Research funding agencies and research performing organizations, libraries, publishers and researchers must work together to raise awareness of the moral imperative for open access.
- Europe PMC may become a useful tool to facilitate the discovery of scientific literature in biomedicine and to promote innovation as long as suitable mechanisms will be established to embrace the diversity of open access mandates and policies that are already in place across countries in Europe.

- The so-called gold and green routes are complementary to maximize the discoverability, access and re-use of scientific literature in biomedical research.
- Open access publication fees must be affordable for universities and research organizations and control mechanisms must be envisaged to monitor them.
- The researcher community should get involved with open access institutional repositories and open access mandates must be fulfilled. Such commitment can be achieved with strong institutional leadership and with policies that link institutional repositories to the research assessment exercise systems.

<http://digital.csic.es/handle/10261/61689>



These recommendations encompassed relevant aspects about the green and gold routes, and a special emphasis was put on the need to manage open access publication fees in a transparent and effective manner, all the more as regards the so-called hybrid open access. The set of recommendations in *Principles on the Transition to Open Access to Research Publications* got approved by Science Europe member organizations in May 2013.

Digital.CSIC Bulletin

In 2012 3 new CSIC Abierto issues got released. The bulletin gives account of the involvement of CSIC centers and institutes in Digital.CSIC and highlights other news and resources of interest about open access.

<http://digital.csic.es/handle/10261/44322>

<http://digital.csic.es/handle/10261/53197>

<https://digital.csic.es/handle/10261/60307>



Other publications

La biblioteca de recerca i la seva aportació al desenvolupament de l'activitat I+D+i. Plaza-Navas, Miquel Àngel; Ponsati Obiols, Agnès; Bernal, Isabel y Baquero Arribas, Mercedes. *Colegio Oficial de Bibliotecaris-Documentalistas de Catalunya. ITEM: Revista de biblioteconomia i documentació* 56: 14-32 (2012).
<https://digital.csic.es/handle/10261/61709>

Digital.CSIC y el acceso abierto a la investigación científica sobre Agricultura, Alimentación y Medio ambiente. Bernal, Isabel; Oficina Técnica Digital.CSIC. *CENEAM. Carpeta Informativa del CENEAM* 7: 5-16 (2012).
<https://digital.csic.es/handle/10261/52804>

Las implicaciones de la nueva Ley de la Ciencia en la difusión de los resultados de proyectos científicos en España: Jornada de OPIS y Open Access. Bernal, Isabel. *CSIC. URICI. Enredadera* 20:38-39 (2012).
<https://digital.csic.es/handle/10261/73922>

Digital.CSIC Open Access Interviews

In close collaboration with the CSIC Library Tomás Navarro Tomás (TNT), Digital.CSIC Technical Office produced 2 videos in 2012. The interviews to Alma Swan, of SPARC Europe, and Jean François Dechamp, Open Access Officer at the DG Research and Innovation of the European Commission, inaugurated the Digital.CSIC OA Interviews Series.



Alma Swan of SPARC Europe and Jean François Dechamp of the European Commission

Interview to Alma Swan (May 2012) Bernal, Isabel; Jiménez Hidalgo, Sonia; *Oficina Técnica Digital.CSIC* 2012. Video. <https://digital.csic.es/handle/10261/50123>



It is useful for research institutions to develop their own repositories because their benefits are many, including

greater visibility, usage and impact of their research, and a higher profile and presence on the web. The institutional repository also gives them a tool for measuring and assessing their research. Previously, institutions had very little grasp of what they publish, who was publishing it, how they are competing with other similar institutions.

An institutions repository gives them the possibility to assess this all and make all these comparisons. This is a very important aspect for the repository but is also an institutional tool to promote themselves out there to people who may be interested in them for one reason or another.

Researchers have fears to breach copyright and it is up to us open access advocates to help them squash these concerns. There is a worry about copyright, but it is not really legitimate as 2/3 of journals publishers allow self-archiving in repositories.

It is becoming more common for authors to retain the rights they need to their own work; it is traditional that authors hand over the whole lot of rights to publishers. Scientists must be the only constituency in the world of creators to do this. If you write a novel, or a poem or a piece of music you don't hand over the rights to that to somebody else –the publisher-, you retain the rights and the publisher publishes the work. That's changing and we will see an increasing number of authors retaining their rights any way.

In the old days of print on paper, and even on electronic journals that do not support open access, plagiarism was difficult to track. In an open access environment it is so easy to detect plagiarism.

Interview to Jean François Dechamp (May 2012) Bernal, Isabel; Jiménez Hidalgo, Sonia; *Oficina Técnica Digital.CSIC* 2012. Video.

<https://digital.csic.es/handle/10261/51120>



We started in 2008 with a pilot for the research we are responsible to fund as part of FP7. We were encouraged and supported by Member States to experiment with open access, so we identified 7 work programmes within the 7th Framework Programme to develop an open access mandate.

The monitoring has been a bit difficult because the time to generate publications is quite long but we made a survey last summer for a bit more than 800 project coordinators to know if they were happy with the mandate and how things were going on. Another way for us to follow what is happening is through the OpenAire portal which is an e-infrastructure project. It has tools that you can use to find statistics to assess the degree of implementation of the pilot project.

In terms of policy, we are going to have Horizon 2020, which is the new name for the next Framework Programme which will start in 2014. Various documents have been presented to the European Parliament and the European Council and we propose to have mandatory open access to all the publications that are derived from Horizon 2020 funded projects and the possibility to allow open access to data.

Advocacy campaign: CSIC Researchers Speak about Open Access



Digital.CSIC celebrated the International Open Access Week 2012 with a campaign where CSIC scientific community was invited to share their experiences with open access in general and with Digital.CSIC in particular. To spur the debate, we threw the following questions for the campaign:

In your view, what is the most remarkable contribution that open access has made to improve scholarly communication?

Why do you participate in Digital.CSIC?

Their answers are interesting thoughts and cover researchers with backgrounds of the 8 scientific areas at the Spanish National Research Council. Amongst the many issues addressed, it is worth noting remarks about the inefficiencies in the current scholarly communication system and in assessment exercises and about benefits of open access and main motivations to self-archive in Digital.CSIC.

A selection of views...

About Open Access



Juan de Dios Alché, EEZ

Open access allows to retrieve research information not only to scientists, who may enjoy other access and exchange channels but also to other interested parties in society, such as R&D firms, the technology sector, scholars in other disciplines, teachers, science media, or simply curious citizens who are eager to learn new things.



Paloma Díaz Mas, ILLA-CCHS

In Medieval European culture, the term "liberal arts" was coined to refer to both Arts and Sciences that were practised without a profit, that is to say, "generously". (...). Open access helps maintain that philosophy.



Pablo Echenique, IQFR

If an article can be downloaded directly from Google Scholar or because it is linked to the author's web page, to Digital.CSIC, arXiv or any other open access repository, I can easily retrieve it and I don't have to pass through the journal's platform. On top of that, if my institution were not subscribed to that journal, then I would have to ask for a copy and spend public monies to download an article which I would not know if it might be relevant for my research as I could access the abstract only.



José Manuel Galán, ILC-CCHS

Open access is a more ecological communication means, and above all, more sympathetic as it allows readers from countries lacking a robust academic system or even a regular mail service to access up-to-date scientific information.



Carlos García Mateo, CENIM

Nobody who is interested in accessing my publications should be left out for being unable to pay the subscription fees to the journals where we are forced to publish to be considered for the controversial JIF-based research assessment exercises.

About Digital.CSIC



José Luis Chiara, IQOG

Digital.CSIC is performing its role successfully in the transition to a new scholarly communication system and must keep going to enhance its set of services to the researcher community and to society at large. Amongst compelling new services stand organizing, enabling open access and preserving raw data in different formats as funding agencies increasingly require it.



Felipe Criado, INCIPIT

Digital.CSIC offers me a platform to disseminate my research outcomes easily and in a cost-effective way. In addition, I participate in the institutional repository because, based on existing legislation, I believe that my institution owns the exploitation rights of my works.



Jordi Figuerola, EBD

Traditionally, any researcher would be willing to send copies of his articles to any interested reader. Digital.CSIC makes the whole process much easier as any Internet user can access CSIC research outputs extremely quickly.



Antonio Lafuente, IH-CSIC

A number of reasons make me confer this project the highest political and scholarly consideration. On the one hand, I think that there is nothing healthier for a public institution than giving public account of its activities. And research institutions, like any other that is publicly funded, should accept this demand as an honour and an obligation: an honour, because it shows that society is interested in what is achieved in laboratories; and an obligation because tax payers finance research and deserve the gesture.



Manuel de León, ICMAT

Digital.CSIC contributes to making CSIC brand known for its excellence and commitment with science and society.



Daniel Martín Sintes, CEAB

It would not make sense to miss what Digital.CSIC offers, as we would be limiting our opportunities to learning about people who are interested in our research and who, eventually, could cite our works (thus increasing our own quality indicators) and/or reuse them, either as a starting point for their research or just to complement it. Further, by participating in Digital.CSIC we are increasing our possibilities to reach out to other fora (researchers, scientific institutions, firms...) that may be willing to establish partnerships with us.



Reme Melero, IATA

I participate in Digital.CSIC because as much as I think that research institutions have the right to disseminate and preserve the scientific production by their scientific community, researchers must also take up the task and commit themselves, by facilitating the required information and files to feed the repositories. This practice should become customary, all the more when we talk about public employers.



César Menor, CAB

Internet provides the tools to achieve the maximum dissemination of our works and ideas. The readers, and the authors who work inspired by these readings should be the ones to decide what researchers and what outputs are the most relevant, instead of obscure peer review procedures. The scholarly communication system should change and stop valuing the efforts to publish in traditional journals to consider instead the own merit of any single scientific communication initiative.



Manuel Molina, ILC-CCHS

In the field of Ancient History of the Near East, Digital.CSIC allows us to give wider dissemination to our works in research centers that traditionally have allocated least resources to this kind of studies.



Julio Pérez Díaz, IEG-CCHS

The more we will use it, the more likely it will be that Digital.CSIC will make headways, and will integrate with other bibliographic databases and scientific information platforms. As a result, its usability will expand in the eyes of those who still may consider it as extra work rather than a useful tool. For the time being, it is important to remember that the repository should be understood as a free service to house digital objects, which is extremely helpful for those researchers who maintain a blog or a web.



Cristina Suñol, IIBB

CSIC Unit of Information Resources for Research (URICI) offered me, as the director of the Institute of Biomedical Research in Barcelona, full support to upload our research outcomes in the repository, as our institute lacks a physical library. We need to keep in mind that Spain's Science Law and the new call for research proposals to be funded by the European Commission require the deposit of resulting articles in open access repositories and here the researcher community has a clear responsibility.

Read the whole campaign at:

http://proyectos.bibliotecas.csic.es/digitalcsic/semana_acceso_abierto/2012/index.html

4. National partnerships

Workshop *Design and Implementation of Digital Libraries*



On November 14, Digital.CSIC took part in this workshop under the coordination of the Ministry of Education, Culture and Sports. This is one initiative within the framework of the Ministry's IBEREX Training Program for librarians from Latin America.

The workshop was attended by 11 librarians from Argentina, Cuba, Chile, Colombia, and Ecuador amongst other countries and was divided into several thematic modules regarding digital libraries. Digital.CSIC was a case study within the module devoted to access and retrieval of information in digital libraries.

Recolecta Working Group on Research Data



Digital.CSIC joined this working group together with other research performing institutions like universities and Juan March Foundation. The main outcome of the task force was the publication of a preliminary report on the management and open access to raw data:

La conservación y reutilización de los datos científicos en España. Informe del grupo de trabajo de buenas prácticas (December 2012) Grupo de trabajo "Depósito y Gestión de datos en Acceso Abierto". Informe Técnico.

<https://digital.csic.es/handle/10261/65317>



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